

**Amendments to the Specification:**

**In the Specification:**

Before paragraph [0001], please insert  
BACKGROUND OF THE INVENTION

Before paragraph [0003], please insert

Please amend paragraph [0004] as follows:

[0004] This object is solved by ~~the features of claims 1 and 25, to which reference is being made~~ providing a method for providing or sharing or jointly using a mobile radio access network by several mobile radio providers, characterized in that a single radio access network, operating for example according to the UMTS, CDMA 2,000, or GSM standard, is jointly used by several mobile radio providers. Further, a system is provided for operating several mobile radio networks, characterized in that the mobile radio networks comprise a common radio access network, but separate core networks.

Please amend paragraph [0005] as follows:

[0005] Preferred and advantageous embodiments of the invention ~~are recited in the dependent claims 2 to 14 and 26 to 28, to which reference is being made.~~ disclosed by providing a method wherein in that network elements of a core network (Core Network, for example MSC and/or GSN) required for providing the mobile radio services are separately provided by each of the mobile radio providers. The method, including network elements of the core network (CN) are commonly used, for example, for providing voice connections (MSC), whereas other network elements for providing IP connections (packet network, GSN) are each provided by the different operators. Also, for differentiating between the core networks of the different mobile radio providers, the respective identity of the network operator (PLMN identity) is provided in the radio access network (RAN or BSS) to the mobile radio subscriber (UE or MS) by transmission

of more than one mobile radio operator identity (PLMN identity). Also, more than one mobile radio operator identity (PLMN identity) is transmitted on an organization channel (for example the broadcast control channel - BCCH). Also, more than one PLMN identity is transmitted, for example, in the Master Information Block (MIB) on the BCCH of a mobile radio system operating according to the UMTS standard, or in System Information Type 3 (SI3) in a mobile radio system operating according to the GSM standard. Further, that more than one PLMN identity is transmitted in the Master Information Block (MIB) and the System Information Block 1 (SIB1) on the BCCH of a mobile radio system operating according to the UMTS standard. Further, more than one PLMN identity is transmitted in the System Information Block 1 (SIB1) on the BCCH of a mobile radio system operating according to the UMTS standard. In addition, more than one PLMN identity is transmitted in a different System Information Block other than the Master Information Block (MIB) and the System Information Block 1 (SIB1) on the BCCH of a mobile radio system operating according to the UMTS standard. Also, more than one PLMN identity is transmitted in a different block other than the System Information Type 3 (SI3) on the BCCH of a mobile radio system operating according to the GSM standard. When a connection is requested, the subscriber/the subscriber terminal (13) notifies the radio access network (9; 12) of the different core networks (6, 7; 10, 11) or PLMNs with which the connection is to be set up. When a connection is requested, the subscriber/the subscriber terminal (13) notifies the radio access network (9; 12) of the different core networks (6, 7; 10, 11) with which the connection is to be set up, and that this notification occurs with the transmission of the PLMN ID in the RRC CONNECTION REQUEST or the INITIAL DIRECT TRANSFER message in a mobile radio system operating according to the UMTS standard. When a connection is requested, the subscriber/the subscriber terminal (13) notifies the radio access network (9; 12) of the different core networks (6, 7; 10, 11) with which the connection is to be set up, and that this notification occurs with the transmission of the PLMN ID in the RRC CONNECTION REQUEST or the INITIAL DIRECT TRANSFER message in a mobile radio system operating according to the UMTS standard, wherein the PLMN identity is provided as MCC+MNC. When a connection is requested, the subscriber/the subscriber terminal (13) notifies the radio access network (9; 12) of the different core networks (6, 7; 10, 11) with which

the connection is to be set up, and that this notification occurs with the transmission of the network operator ID (for example PLMN ID) in the RRC CONNECTION REQUEST or the INITIAL DIRECT TRANSFER message in a mobile radio system operating according to the UMTS standard, wherein only the MCC of the PLMN identity is transmitted.

Further, a system is provided wherein at least one of the mobile radio networks comprises a core network element (MSC or GSN) for CS and PS connections and a radio network control unit (RNC or BSC), and wherein one radio network control unit (RNC or BSC) is connected with more than one respective core network element (MSC or GSN) for CS and PS connections. The system may also include one radio access network (RAN) which is connected with more than one SGSN (for the PS domain). Further, one radio access network (RAN) is connected with more than one MSC (for the CS domain).

Before paragraph [0007], please insert  
BRIEF DESCRIPTION OF THE DRAWINGS

Before paragraph [0017], please insert  
DETAILED DESCRIPTION OF THE INVENTION